

EXTERNAL DOSE HISTORY AND GOALS TRACKING REPORT

**CY1999
Current through April**

**Los Alamos National Laboratory
Radiation Protection Services (ESH-12)
Dose Optimization Team
Metrics
5-7921, MS-K483
*bbates@lanl.gov***

June 8, 1999

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External Dose History and Goals Tracking Report for CY1999

ESH-1 PERSONNEL AT TA53; EXTERNAL DOSE HISTORY AND GOALS TRACKING									
(All values are reported in mrem)									
				Top Individuals (1999)					1999 Ave non-zero Exp.
1996	1997	1998	1999	1	2	3	4	5	AI
5294	4904	2883	723	375	105	57	46	43	80

Data is current thru: Apr-99

Goals For 1999	
External Collective Dose=	4000 person-mrem
Maximum Individual Dose=	na mrem
Average non-zero exposure=	na mrem

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COLLECTIVE DOSE (person-mrem)

Year	Collective Dose (person-mrem)
1996	~6700
1997	~6200
1998	~3800
1999	~1100

1999 TOP INDIVIDUALS (mrem)

Rank	Individual	Dose (mrem)
1	1	~380
2	2	~110
3	3	~40
4	4	~25
5	5	~25
AI	AI	~80

External Dose History and Goals Tracking Report for CY1999

ESH-1 PERSONNEL AT TA-55; EXTERNAL DOSE HISTORY AND GOALS TRACKING																									
(All values are reported in mrem)																									
						Top Individuals (1999)				1999 Ave non-zero Exp.															
1994	1995	1996	1997	1998	1999	1	2	3	4	5	AI														
18056	29324	15274	17436	10562	3152	437	391	260	225	186	102														
Data is current thru: Apr-99																									
Goals For 1999																									
External Collective Dose= 15000 person-mrem																									
Maximum Individual Dose= 1000 mrem																									
Average non-zero exposure= 500 mrem																									
COLLECTIVE DOSE (person-mrem)																									
<table border="1"> <thead> <tr> <th>Year</th> <th>Collective Dose (person-mrem)</th> </tr> </thead> <tbody> <tr><td>1994</td><td>~7800</td></tr> <tr><td>1995</td><td>~27000</td></tr> <tr><td>1996</td><td>~6800</td></tr> <tr><td>1997</td><td>~7500</td></tr> <tr><td>1998</td><td>~4800</td></tr> <tr><td>1999</td><td>~1800</td></tr> </tbody> </table>												Year	Collective Dose (person-mrem)	1994	~7800	1995	~27000	1996	~6800	1997	~7500	1998	~4800	1999	~1800
Year	Collective Dose (person-mrem)																								
1994	~7800																								
1995	~27000																								
1996	~6800																								
1997	~7500																								
1998	~4800																								
1999	~1800																								
1999 TOP INDIVIDUALS (mrem)																									
<table border="1"> <thead> <tr> <th>Rank</th> <th>Individual (mrem)</th> </tr> </thead> <tbody> <tr><td>1</td><td>~450</td></tr> <tr><td>2</td><td>~400</td></tr> <tr><td>3</td><td>~280</td></tr> <tr><td>4</td><td>~230</td></tr> <tr><td>5</td><td>~190</td></tr> <tr><td>AI</td><td>~110</td></tr> </tbody> </table>												Rank	Individual (mrem)	1	~450	2	~400	3	~280	4	~230	5	~190	AI	~110
Rank	Individual (mrem)																								
1	~450																								
2	~400																								
3	~280																								
4	~230																								
5	~190																								
AI	~110																								

External Dose History and Goals Tracking Report for CY1999

ESH-4 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																																																																																							
(All values are reported in mrem)																																																																																							
					Top Individuals (1999)				1999 Ave non-zero Exp.																																																																														
	1996	1997	1998	1999	1	2	3	4	5	AI																																																																													
	1563	599	1485	301	93	70	70	40	21	50																																																																													
Data is current thru:					Apr-99																																																																																		
Goals For 1999																																																																																							
External Collective Dose= 950 person-mrem																																																																																							
Maximum Individual Dose= na mrem																																																																																							
Average non-zero exposure= na mrem																																																																																							
c:\files\excel\ledhgt99\esh4.xls																																																																																							
COLLECTIVE DOSE (person-mrem)																																																																																							
<table border="1"> <tr><td>0</td><td>250</td><td>500</td><td>750</td><td>1000</td><td>1250</td><td>1500</td><td>1750</td><td>2000</td><td></td><td></td></tr> <tr><td>1996</td><td>1563</td><td>1485</td><td>1485</td><td>1485</td><td>1485</td><td>1485</td><td>1485</td><td>1485</td><td>1485</td><td>1485</td></tr> <tr><td>1997</td><td>599</td><td>599</td><td>599</td><td>599</td><td>599</td><td>599</td><td>599</td><td>599</td><td>599</td><td>599</td></tr> <tr><td>1998</td><td>301</td><td>301</td><td>301</td><td>301</td><td>301</td><td>301</td><td>301</td><td>301</td><td>301</td><td>301</td></tr> <tr><td>1999</td><td>93</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td></tr> </table>											0	250	500	750	1000	1250	1500	1750	2000			1996	1563	1485	1485	1485	1485	1485	1485	1485	1485	1485	1997	599	599	599	599	599	599	599	599	599	599	1998	301	301	301	301	301	301	301	301	301	301	1999	93	70	70	70	70	70	70	70	70	70																						
0	250	500	750	1000	1250	1500	1750	2000																																																																															
1996	1563	1485	1485	1485	1485	1485	1485	1485	1485	1485																																																																													
1997	599	599	599	599	599	599	599	599	599	599																																																																													
1998	301	301	301	301	301	301	301	301	301	301																																																																													
1999	93	70	70	70	70	70	70	70	70	70																																																																													
1999 TOP INDIVIDUALS (mrem)																																																																																							
<table border="1"> <tr><td>0</td><td>200</td><td>400</td><td>600</td><td>800</td><td>1000</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1</td><td>93</td><td>93</td><td>93</td><td>93</td><td>93</td><td>93</td><td>93</td><td>93</td><td>93</td><td>93</td></tr> <tr><td>2</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td></tr> <tr><td>3</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td></tr> <tr><td>4</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td></tr> <tr><td>5</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td></tr> <tr><td>AI</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td><td>70</td></tr> </table>											0	200	400	600	800	1000						1	93	93	93	93	93	93	93	93	93	93	2	70	70	70	70	70	70	70	70	70	70	3	70	70	70	70	70	70	70	70	70	70	4	70	70	70	70	70	70	70	70	70	70	5	70	70	70	70	70	70	70	70	70	70	AI	70	70	70	70	70	70	70	70	70	70
0	200	400	600	800	1000																																																																																		
1	93	93	93	93	93	93	93	93	93	93																																																																													
2	70	70	70	70	70	70	70	70	70	70																																																																													
3	70	70	70	70	70	70	70	70	70	70																																																																													
4	70	70	70	70	70	70	70	70	70	70																																																																													
5	70	70	70	70	70	70	70	70	70	70																																																																													
AI	70	70	70	70	70	70	70	70	70	70																																																																													

External Dose History and Goals Tracking Report for CY1999

NMT-1 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING														
(All values are reported in mrem)														
Top Individuals (1999)					1999 Ave non-zero Exp.									
		1998	1999	1		2	3	4	5					
		2408	757	69	57	54	46	46	AI					
Data is current thru: Apr-99														
Goals For 1999														
External Collective Dose= 3000 person-mrem														
Maximum Individual Dose= 500 mrem														
Average non-zero exposure= 50 mrem														
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COLLECTIVE DOSE (person-mrem)														
1999 TOP INDIVIDUALS (mrem)														

External Dose History and Goals Tracking Report for CY1999

NMT-2 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																																	
(All values are reported in mrem)																																	
Collective Doses							Top Individuals (1999)					1999 Ave non-zero Exp.																					
1993	1994	1995	1996	1997	1998	1999	1	2	3	4	5	AI																					
14161	13058	18843	16508	31955	26228	6221	324	312	297	269	260	84																					
Data is current thru: Apr-99																																	
Goals For 1999 External Collective Dose= 30000 person-mrem Maximum Individual Dose= na mrem Average non-zero exposure= na mrem							c:\files\lexce\ledhgt99\nmt2.xls																										
COLLECTIVE DOSE (person-mrem)																																	
<table border="1"> <thead> <tr> <th>Year</th> <th>Collective Dose (person-mrem)</th> </tr> </thead> <tbody> <tr> <td>1994</td> <td>~33,000</td> </tr> <tr> <td>1995</td> <td>~48,000</td> </tr> <tr> <td>1996</td> <td>~43,000</td> </tr> <tr> <td>1997</td> <td>~80,000</td> </tr> <tr> <td>1998</td> <td>~67,000</td> </tr> <tr> <td>1999</td> <td>~18,000</td> </tr> </tbody> </table>													Year	Collective Dose (person-mrem)	1994	~33,000	1995	~48,000	1996	~43,000	1997	~80,000	1998	~67,000	1999	~18,000							
Year	Collective Dose (person-mrem)																																
1994	~33,000																																
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Rank	Individual	Dose (mrem)																															
1		~320																															
2		~310																															
3		~300																															
4		~280																															
5		~260																															
AI	Average Individual	~80																															

External Dose History and Goals Tracking Report for CY1999

NMT-4 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																																				
(All values are reported in mrem)																																				
Collective Doses							Top Individuals (1999)				1999 Ave non-zero Exp.																									
1993	1994	1995	1996	1997	1998	1999	1	2	3	4	AI																									
19592	19527	16366	11992	11947	12926	4307	391	370	336	325	291																									
Data is current thru: Apr-99 Goals For 1999 External Collective Dose= 12100 person-mrem Maximum Individual Dose: 1100 mrem Average non-zero exposure na mrem																																				
<i>c:\files\excel\edhgt99\nmt4.xls</i>																																				
COLLECTIVE DOSE (person-mrem)																																				
<table border="1"> <tr><td>0</td><td>2000</td><td>4000</td><td>6000</td><td>8000</td><td>10000</td><td>12000</td><td>14000</td><td>16000</td><td>18000</td><td>20000</td></tr> <tr><td>1994</td><td>1995</td><td>1996</td><td>1997</td><td>1998</td><td>1999</td><td></td><td></td><td></td><td></td><td></td></tr> </table>												0	2000	4000	6000	8000	10000	12000	14000	16000	18000	20000	1994	1995	1996	1997	1998	1999								
0	2000	4000	6000	8000	10000	12000	14000	16000	18000	20000																										
1994	1995	1996	1997	1998	1999																															
1999 TOP INDIVIDUALS (mrem)																																				
<table border="1"> <tr><td>0</td><td>100</td><td>200</td><td>300</td><td>400</td><td>500</td><td>600</td><td>700</td><td>800</td><td>900</td><td>1000</td><td>1100</td><td>1200</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>AI</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>												0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1	2	3	4	5	AI						
0	100	200	300	400	500	600	700	800	900	1000	1100	1200																								
1	2	3	4	5	AI																															

External Dose History and Goals Tracking Report for CY1999

NMT-5 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																
(All values are reported in mrem)																
Collective Doses							Top Individuals (1999)				1999 Ave non-zero Exp.					
1993	1994	1995	1996	1997	1998	1999	1	2	3	4	AI					
15156	15731	12999	7523	9608	9896	2990	330	310	303	252	245					
											63					
Data is current thru: Apr-99																
Goals For 1999																
External Collective Dose= 9000 person-mrem																
Maximum Individual Dose= na mrem																
Average non-zero exposure na mrem																
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COLLECTIVE DOSE (person-mrem)																
1999 TOP INDIVIDUALS (mrem)																

External Dose History and Goals Tracking Report for CY1999

NMT-6 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING												
(All values are reported in mrem)												
Collective Doses							Top Individuals (1999)				1999 Ave non-zero Exp.	
1993	1994	1995	1996	1997	1998	1999	1	2	3	4	5	AI
1547	1816	4919	3777	4927	4048	1741	229	164	129	123	106	51
Data is current thru: Apr-99 Goals For 1999 External Collective Dose= 10800 person-mrem Maximum Individual Dose 1950 mrem Average non-zero exposu na mrem												
COLLECTIVE DOSE (person-mrem)												
1999 TOP INDIVIDUALS (mrem)												

External Dose History and Goals Tracking Report for CY1999

NMT-7 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																									
(All values are reported in mrem)																									
						Top Individuals (1999)			1999 Ave non-zero Exp.																
1994	1995	1996	1997	1998	1999	1	2	3	4	5	AI														
406	5925	4314	5735	3856	710	182	109	80	76	75	44														
Data is current thru: Apr-99																									
Goals For 1999																									
External Collective Dose= 4000 person-mrem																									
Maximum Individual Dose= 385 mrem																									
Average non-zero exposure= 267 mrem																									
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COLLECTIVE DOSE (person-mrem)																									
<table border="1"> <thead> <tr> <th>Year</th> <th>Collective Dose (person-mrem)</th> </tr> </thead> <tbody> <tr><td>1994</td><td>~700</td></tr> <tr><td>1995</td><td>~8500</td></tr> <tr><td>1996</td><td>~6500</td></tr> <tr><td>1997</td><td>~8500</td></tr> <tr><td>1998</td><td>~5800</td></tr> <tr><td>1999</td><td>~1200</td></tr> </tbody> </table>												Year	Collective Dose (person-mrem)	1994	~700	1995	~8500	1996	~6500	1997	~8500	1998	~5800	1999	~1200
Year	Collective Dose (person-mrem)																								
1994	~700																								
1995	~8500																								
1996	~6500																								
1997	~8500																								
1998	~5800																								
1999	~1200																								
1999 TOP INDIVIDUALS (mrem)																									
<table border="1"> <thead> <tr> <th>Rank</th> <th>Individual (mrem)</th> </tr> </thead> <tbody> <tr><td>1</td><td>~180</td></tr> <tr><td>2</td><td>~110</td></tr> <tr><td>3</td><td>~80</td></tr> <tr><td>4</td><td>~70</td></tr> <tr><td>5</td><td>~60</td></tr> <tr><td>AI</td><td>~30</td></tr> </tbody> </table>												Rank	Individual (mrem)	1	~180	2	~110	3	~80	4	~70	5	~60	AI	~30
Rank	Individual (mrem)																								
1	~180																								
2	~110																								
3	~80																								
4	~70																								
5	~60																								
AI	~30																								

External Dose History and Goals Tracking Report for CY1999

NMT-8 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																																
(All values are reported in mrem)																																
Collective Doses							Top Individuals (1999)				1999 Ave non-zero Exp.																					
1993	1994	1995	1996	1997	1998	1999	1	2	3	4	AI																					
1197	4015	4680	2306	3068	1602	269	80	56	34	16	18																					
Data is current thru: Apr-99																																
Goals For 1999																																
External Collective Dose na person-mrem																																
Maximum Individual Dos na mrem																																
Average non-zero exposi na mrem																																
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COLLECTIVE DOSE (person-mrem)																																
<table border="1"> <thead> <tr> <th>Year</th> <th>Collective Dose (person-mrem)</th> </tr> </thead> <tbody> <tr> <td>1994</td> <td>4015</td> </tr> <tr> <td>1995</td> <td>4680</td> </tr> <tr> <td>1996</td> <td>2306</td> </tr> <tr> <td>1997</td> <td>3068</td> </tr> <tr> <td>1998</td> <td>1602</td> </tr> <tr> <td>1999</td> <td>269</td> </tr> </tbody> </table>												Year	Collective Dose (person-mrem)	1994	4015	1995	4680	1996	2306	1997	3068	1998	1602	1999	269							
Year	Collective Dose (person-mrem)																															
1994	4015																															
1995	4680																															
1996	2306																															
1997	3068																															
1998	1602																															
1999	269																															
1999 TOP INDIVIDUALS (mrem)																																
<table border="1"> <thead> <tr> <th>Rank</th> <th>Individual</th> <th>Dose (mrem)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>80</td> </tr> <tr> <td>2</td> <td></td> <td>56</td> </tr> <tr> <td>3</td> <td></td> <td>34</td> </tr> <tr> <td>4</td> <td></td> <td>16</td> </tr> <tr> <td>5</td> <td></td> <td>12</td> </tr> <tr> <td>AI</td> <td>Average Individual</td> <td>18</td> </tr> </tbody> </table>												Rank	Individual	Dose (mrem)	1		80	2		56	3		34	4		16	5		12	AI	Average Individual	18
Rank	Individual	Dose (mrem)																														
1		80																														
2		56																														
3		34																														
4		16																														
5		12																														
AI	Average Individual	18																														

External Dose History and Goals Tracking Report for CY1999

NMT-9 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING											
(All values are reported in mrem)											
Collective Doses							Top Individuals (1999)				1999 Ave non-zero Exp.
1993	1994	1995	1996	1997	1998	1999	1	2	3	4	5
6336	21935	44678	40959	15775	19729	5898	853	670	466	465	123
Data is current thru: Apr-99 Goals For 1999 External Collective Dose= 22915 person-mrem Maximum Individual Dose= 1950 mrem Average non-zero exposure 544 mrem											
<i>c:\files\excel\edhgt99\nmt9.xls</i>											
COLLECTIVE DOSE (person-mrem)											
1994 1995 1996 1997 1998 1999											
1999 TOP INDIVIDUALS (mrem)											
1 2 3 4 5 AI											

External Dose History and Goals Tracking Report for CY1999

NMT-11 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																	
(All values are reported in mrem)																	
				Top Individuals (1999)					1999 Ave non-zero Exp.								
			1998	1999	1	2	3	4	5								
			5529	1937	664	583	113	104	84								
		Data is current thru: Apr-99															
Goals For 1999																	
External Collective Dose= 5500 person-mrem																	
Maximum Individual Dose= na mrem																	
Average non-zero exposure na mrem																	
c:\files\excel\edhgt99\nmt11.xls																	
COLLECTIVE DOSE (person-mrem)																	
1999 TOP INDIVIDUALS (mrem)																	

External Dose History and Goals Tracking Report for CY1999

P-23 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																																
(All values are reported in mrem)																																
						Top Individuals (1999)					1999 Ave non-zero Exp.																					
1994	1995	1996	1997	1998	1999	1	2	3	4	5	AI																					
645	2652	5524	3836	626	105	19	14	14	14	11	10																					
Data is current thru: Apr-99																																
Goals For 1999																																
External Collective Dose= 5035 person-mrem																																
Maximum Individual Dose= na mrem																																
Average non-zero exposure= na mrem																																
c:\files\excel\led\hgt99\p23.xls																																
COLLECTIVE DOSE (person-mrem)																																
<table border="1"> <thead> <tr> <th>Year</th> <th>Collective Dose (person-mrem)</th> </tr> </thead> <tbody> <tr><td>1994</td><td>~400</td></tr> <tr><td>1995</td><td>~1400</td></tr> <tr><td>1996</td><td>~5500</td></tr> <tr><td>1997</td><td>~3800</td></tr> <tr><td>1998</td><td>~400</td></tr> <tr><td>1999</td><td>~100</td></tr> </tbody> </table>												Year	Collective Dose (person-mrem)	1994	~400	1995	~1400	1996	~5500	1997	~3800	1998	~400	1999	~100							
Year	Collective Dose (person-mrem)																															
1994	~400																															
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Rank	Individual	Dose (mrem)																														
1		~20																														
2		~15																														
3		~15																														
4		~15																														
5		~10																														
AI	Average Individual	~10																														

External Dose History and Goals Tracking Report for CY1999

P-25 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING														
(All values are reported in mrem)														
				Top Individuals (1999)					1999 Ave non-zero Exp.					
1996	1997	1998	1999	1	2	3	4	5	AI					
833	352	38	33	18	15	0	0	0	16					
Data is current thru: Apr-99									c:\files\excel\ledhgt99\p25.xls					
Goals For 1999														
External Collective Dose= 1160 person-mrem														
Maximum Individual Dose= 250 mrem														
Average non-zero exposure= na mrem														
COLLECTIVE DOSE (person-mrem)														
1999 TOP INDIVIDUALS (mrem)														

External Dose History and Goals Tracking Report for CY1999

CST-11 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING															
(All values are reported in mrem)															
					Top Individuals (1999)					1999 Ave non-zero Exp.					
1995	1996	1997	1998	1999	1	2	3	4	5	AI					
1299	3468	2689	1590	457	63	54	49	49	42	30					
Data Current through:					Apr-99										
Goals For 1999															
External Collective Dose= 1500 person-mrem															
Maximum Individual Dose= na mrem															
Average non-zero exposure= na mrem															
COLLECTIVE DOSE (person-mrem)															
1999 TOP INDIVIDUALS (mrem)															

External Dose History and Goals Tracking Report for CY1999

LANSCE-2 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																						
(All values are reported in mrem)																						
Collective Doses					Top Individuals (1999)					1999 Ave non-zero Exp.												
1995	1996	1997	1998	1999	1	2	3	4	5	AI												
2093	2146	6598	8386	723	387	101	80	72	31	90												
Data is current thru: Apr-99																						
Goals For 1999																						
External Collective Dose= 2900 person-mrem																						
Maximum Individual Dose= 600 mrem																						
Average non-zero exposure= 200 mrem																						
c:\files\excel\ledhgt99\lansce-2.xls																						
COLLECTIVE DOSE (person-mrem)																						
<table border="1"> <tr><td>1995</td><td>~2500</td></tr> <tr><td>1996</td><td>~2600</td></tr> <tr><td>1997</td><td>~7300</td></tr> <tr><td>1998</td><td>~9200</td></tr> <tr><td>1999</td><td>~100</td></tr> </table>											1995	~2500	1996	~2600	1997	~7300	1998	~9200	1999	~100		
1995	~2500																					
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1999 TOP INDIVIDUALS (mrem)																						
<table border="1"> <tr><td>1</td><td>~380</td></tr> <tr><td>2</td><td>~100</td></tr> <tr><td>3</td><td>~80</td></tr> <tr><td>4</td><td>~70</td></tr> <tr><td>5</td><td>~20</td></tr> <tr><td>AI</td><td>~90</td></tr> </table>											1	~380	2	~100	3	~80	4	~70	5	~20	AI	~90
1	~380																					
2	~100																					
3	~80																					
4	~70																					
5	~20																					
AI	~90																					

External Dose History and Goals Tracking Report for CY1999

LANSCE-7 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																																					
(All values are reported in mrem)																																					
Collective Doses					Top Individuals (1999)					1999 Ave non-zero Exp.																											
1995	1996	1997	1998	1999	1	2	3	4	5	AI																											
4343	3665	2669	4833	628	209	205	71	38	28	63																											
Data is current thru: Apr-99																																					
Goals For 1999																																					
External Collective Dose= 6000 person-mrem																																					
Maximum Individual Dose= 700 mrem																																					
Average non-zero exposure= 250 mrem																																					
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COLLECTIVE DOSE (person-mrem)																																					
<table border="1"> <tr><td>0</td><td>500</td><td>1000</td><td>1500</td><td>2000</td><td>2500</td><td>3000</td><td>3500</td><td>4000</td><td>4500</td><td>5000</td><td>5500</td><td>6000</td><td>6500</td><td>7000</td></tr> <tr><td>1995</td><td>4450</td></tr> <tr><td>1996</td><td>3750</td></tr> <tr><td>1997</td><td>2800</td></tr> <tr><td>1998</td><td>4850</td></tr> <tr><td>1999</td><td>750</td></tr> </table>											0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	1995	4450	1996	3750	1997	2800	1998	4850	1999	750		
0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000																							
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0	50	100	150	200	250	300	350	400	450	500	550	600	650	700																							
1	210																																				
2	210																																				
3	70																																				
4	40																																				
5	30																																				
AI	60																																				

External Dose History and Goals Tracking Report for CY1999

LANSCE-12 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																									
(All values are reported in mrem)																									
Collective Doses						Top Individuals (1999)			1999 Ave non-zero Exp.																
1994	1995	1996	1997	1998	1999	1	2	3	4	5	AI														
1472	2520	4682	2650	1126	193	75	35	24	22	17	21														
Data is current thru: Apr-99																									
Goals For 1999																									
External Collective Dose= 6000 person-mrem																									
Maximum Individual Dose= 1000 mrem																									
Average non-zero exposure 100 mrem																									
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COLLECTIVE DOSE (person-mrem)																									
<table border="1"> <thead> <tr> <th>Year</th> <th>Collective Dose (mrem)</th> </tr> </thead> <tbody> <tr> <td>1994</td> <td>~2700</td> </tr> <tr> <td>1996</td> <td>~7800</td> </tr> <tr> <td>1998</td> <td>~2100</td> </tr> </tbody> </table>												Year	Collective Dose (mrem)	1994	~2700	1996	~7800	1998	~2100						
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Rank	Individual Dose (mrem)																								
1	~80																								
2	~40																								
3	~25																								
4	~20																								
5	~15																								
AI	~25																								

External Dose History and Goals Tracking Report for CYI999

NIS-5 PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING																																
(All values are reported in mrem)																																
Collective Doses							Top Individuals (1999)				1999 Ave non-zero Exp.																					
1993	1994	1995	1996	1997	1998	1999	1	2	3	4	AI																					
20	465	939	971	1402	1860	220	50	23	23	21	16																					
Data is current thru: Apr-99																																
Goals For 1999																																
External Collective Dose= 1800 person-mrem																																
Maximum Individual Dose= na mrem																																
Average non-zero exposure: na mrem																																
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COLLECTIVE DOSE (person-mrem)																																
<table border="1"> <thead> <tr> <th>Year</th> <th>Collective Dose (person-mrem)</th> </tr> </thead> <tbody> <tr> <td>1994</td> <td>~465</td> </tr> <tr> <td>1995</td> <td>~939</td> </tr> <tr> <td>1996</td> <td>~971</td> </tr> <tr> <td>1997</td> <td>~1402</td> </tr> <tr> <td>1998</td> <td>~1860</td> </tr> <tr> <td>1999</td> <td>~220</td> </tr> </tbody> </table>												Year	Collective Dose (person-mrem)	1994	~465	1995	~939	1996	~971	1997	~1402	1998	~1860	1999	~220							
Year	Collective Dose (person-mrem)																															
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Rank	Individual	Dose (mrem)																														
1		~50																														
2		~20																														
3		~15																														
4		~12																														
5		~10																														
AI	Average Individual	~10																														

External Dose History and Goals Tracking Report for CY1999

JCNNM PERSONNEL; EXTERNAL DOSE HISTORY AND GOALS TRACKING

(All values are reported in mrem)

Collective Doses								Top Individuals (1999)					1999 Ave non-zero Exp.
1992	1993	1994	1995	1996	1997	1998	1999	1	2	3	4	5	AI
10806	10537	16066	20204	17547	20996	15410	5733	543	236	177	139	136	48

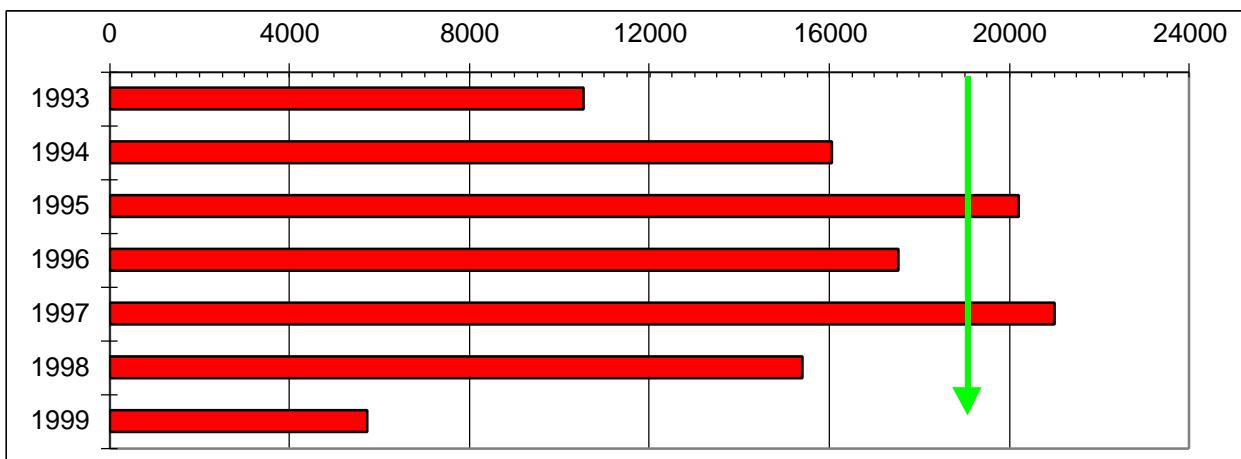
Data is current thru: Apr-99

Goals For 1999

External Collective Dose= 19000 person-mrem
Maximum Individual Dose= 1000 mrem
Ave. non-zero Exposure= na mrem

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COLLECTIVE DOSE (person-mrem)



1999 TOP INDIVIDUALS (mrem)

